

Serial No.: 09/420,092  
Filing Date: 18 October 1999

AMENDMENT

In the Claims:

NE  
Claim 1 is cancelled without prejudice, disclaimer, or admission.

Please add the following new claims:

C1  
Rule 1.126  
15 ~~10~~ A method for screening for a bioactive agent capable of binding to the cell cycle protein R0101, comprising:

- a) combining said cell cycle protein R0101 and a candidate bioactive agent; and  
b) determining the binding of said candidate agent to said cell cycle protein R0101;

wherein said cell cycle protein R0101 comprises an amino acid sequence (having) at least about (95% identity) to the amino acid sequence set forth in SEQ ID NO:2 and wherein said cell cycle protein R0101 will bind to proliferating cell nuclear antigen (PCNA).

16 ~~11~~ A method for screening for a bioactive agent capable of binding to the cell cycle protein R0101, comprising:

- a) combining said cell cycle protein R0101 and a candidate bioactive agent; and  
b) determining the binding of said candidate agent to said cell cycle protein R0101;

wherein said cell cycle protein R0101 comprises the amino acid sequence set forth in SEQ ID NO:2 and wherein said cell cycle protein R0101 will bind to PCNA.

17 ~~12~~ A method according to claim 10 or 11, wherein a library of candidate bioactive agents is added to a plurality of cells comprising a recombinant nucleic acid encoding said R0101 protein.

18 ~~13~~ A method according to claim 10 or 11, further comprising:

- a) combining a proliferating cell nuclear antigen (PCNA) protein with said R0101 protein and said candidate bioactive agent; and